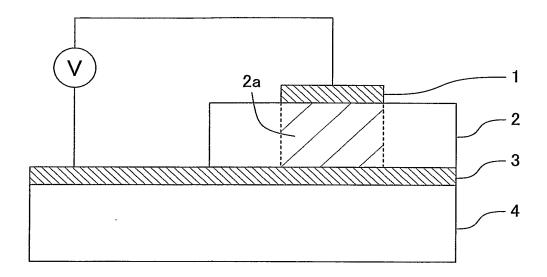
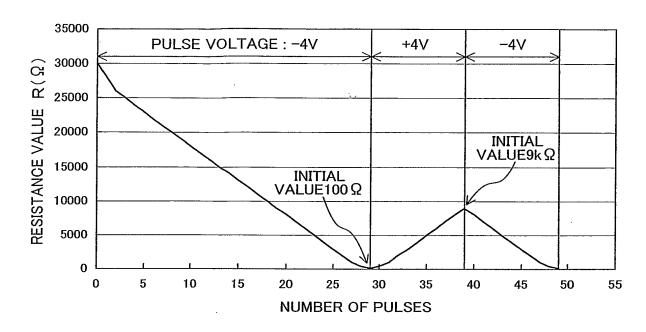
FIG. 1



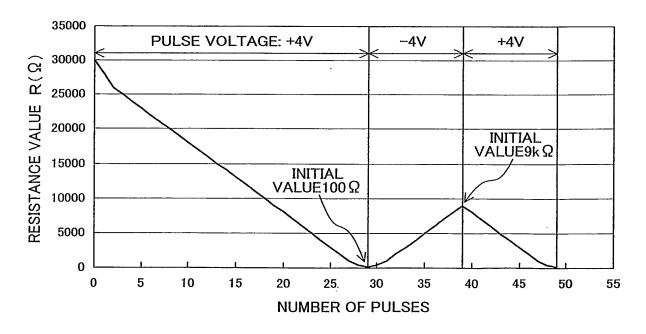
2/30

FIG. 2

(a) VARIABLE RESISTOR lpha



(b) VARIABLE RESISTOR β

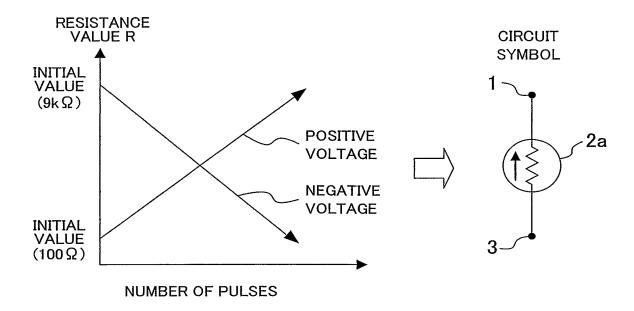


SUBSTITUTE SHEET (RULE26)

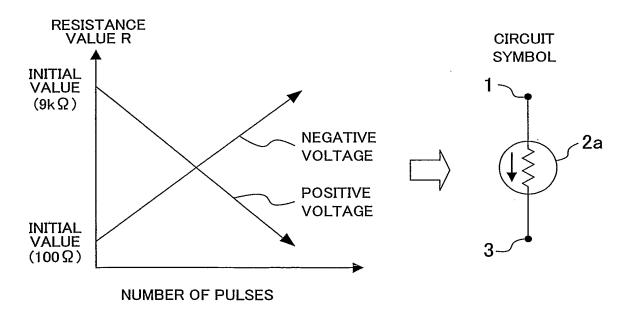
3/30

FIG. 3

(a) VARIABLE RESISTOR α



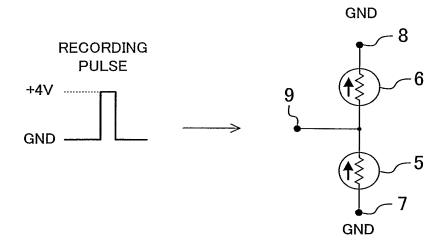
(b) VARIABLE RESISTOR β



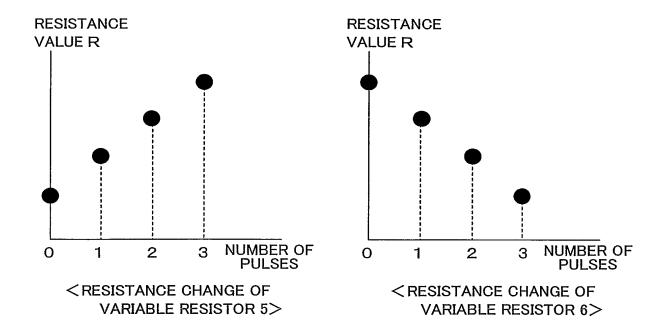
4/30

FIG. 4

(a) RECORDING



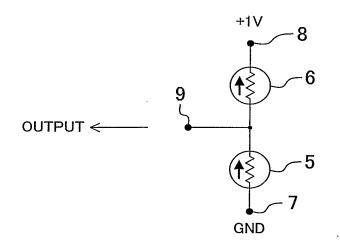
(b) RESISTANCE CHANGE OF VARIABLE RESISTOR



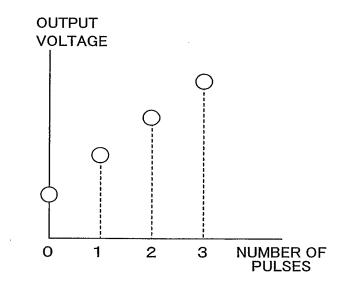
5/30

FIG. 5

(a) REPRODUCTION



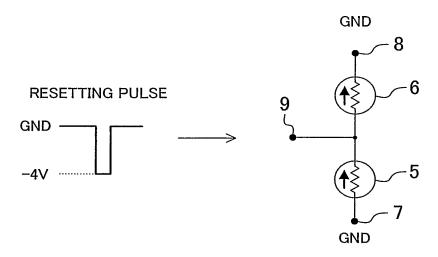
(b) REPRODUCTION OUTPUT VOLTAGE



6/30

FIG. 6

(a) RESETTING



(b) RESISTANCE CHANGE OF VARIABLE RESISTOR

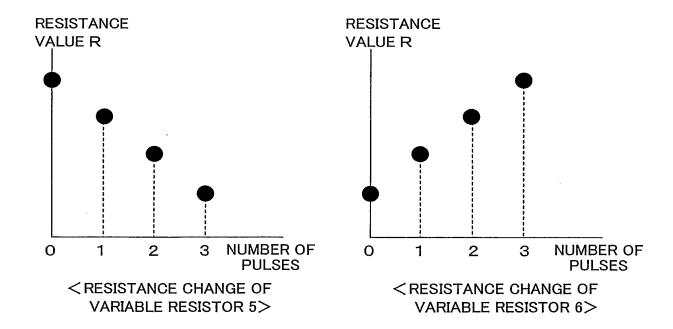
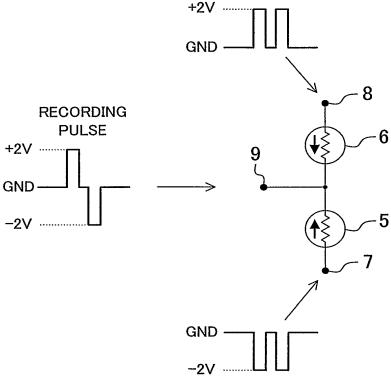
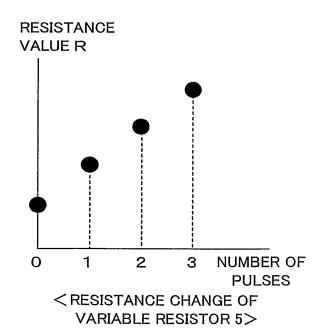


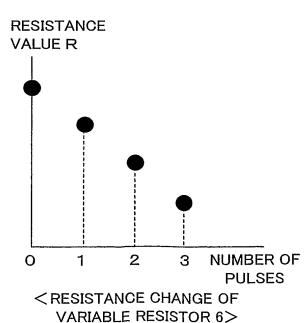
FIG. 7

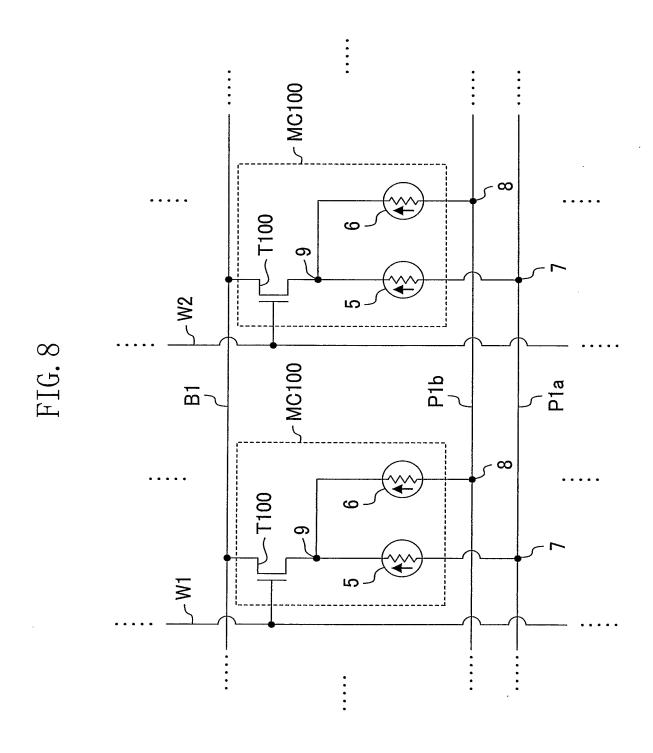




(b) RESISTANCE CHANGE OF VARIABLE RESISTOR







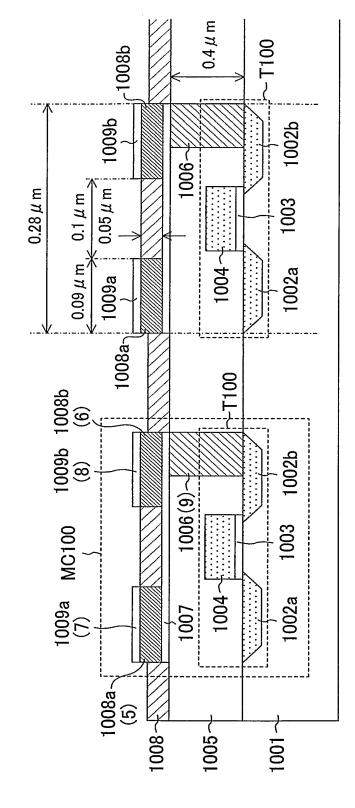
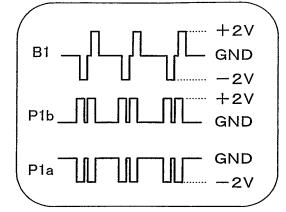


FIG. 9

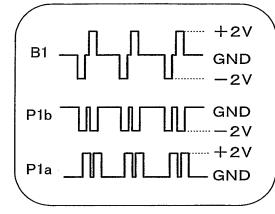
FIG. 10

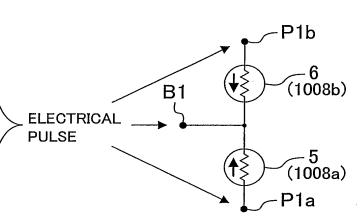
10/30



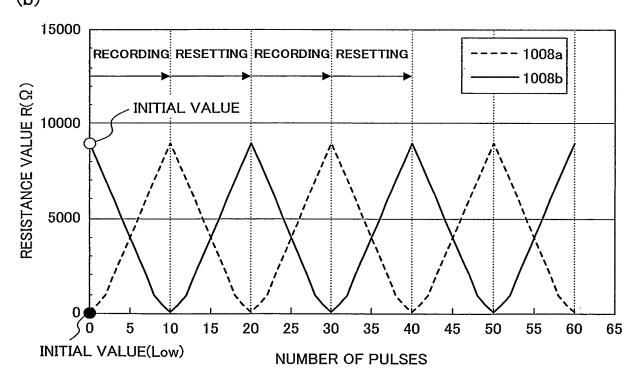






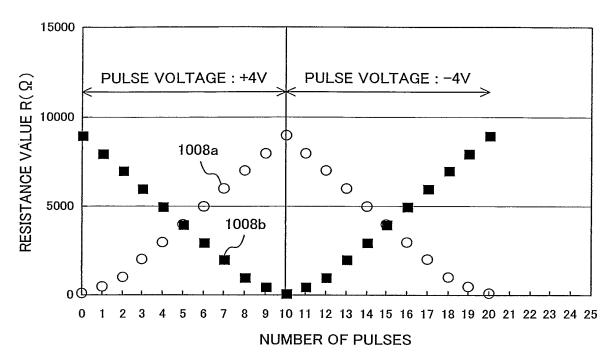


(b)

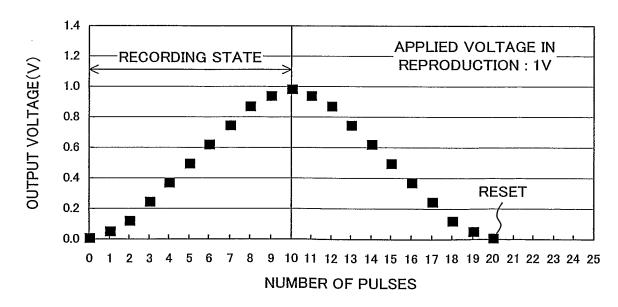


11/30

 $FIG.\ 11 \\ \mbox{(a) resistance change with number of pulses}$

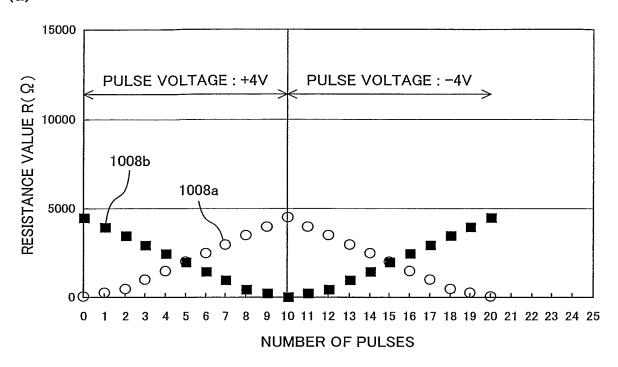


(b) OUTPUT VOLTAGE IN READOUT OF RECORDING STATE

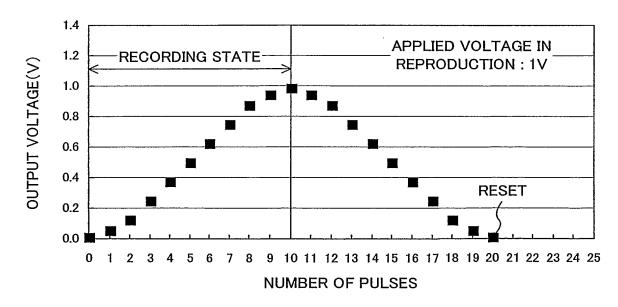


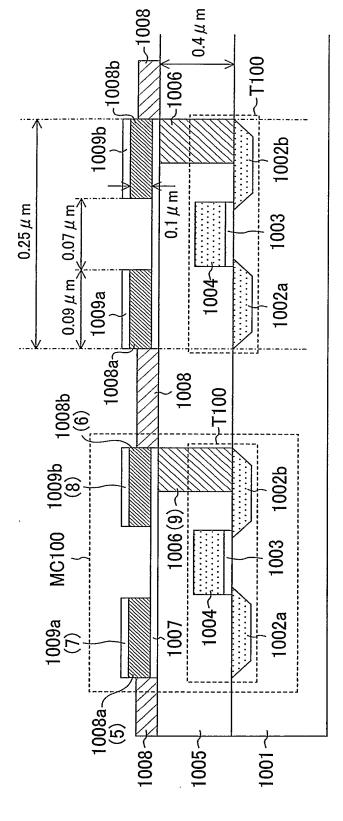
12/30

 $FIG.\ 12 \\ \mbox{(a) resistance change with number of pulses}$



(b) OUTPUT VOLTAGE IN READOUT OF RECORDING STATE

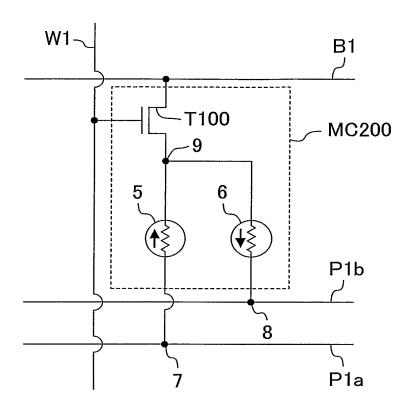




FTG. 15

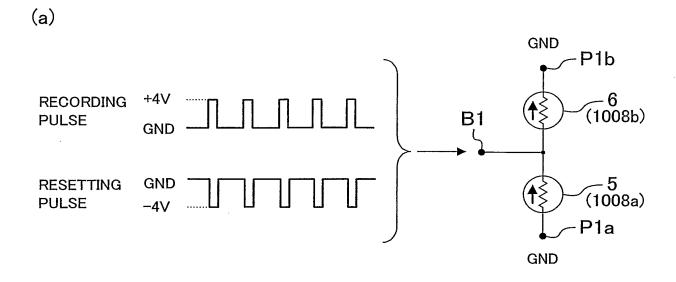
14/30

FIG. 14

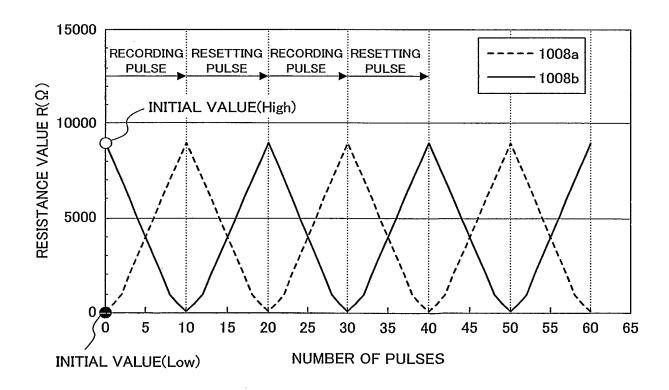


15/30

FIG. 15



(b)



16/30

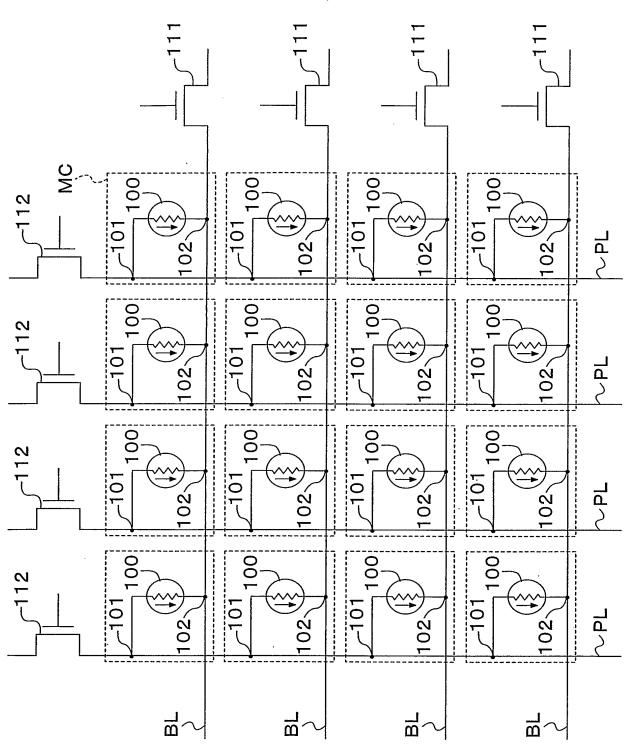
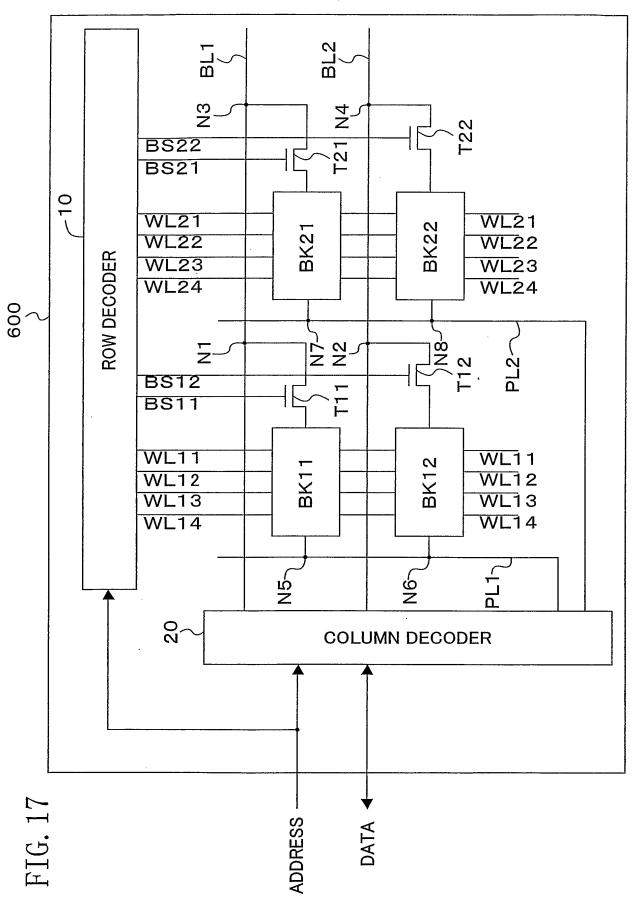
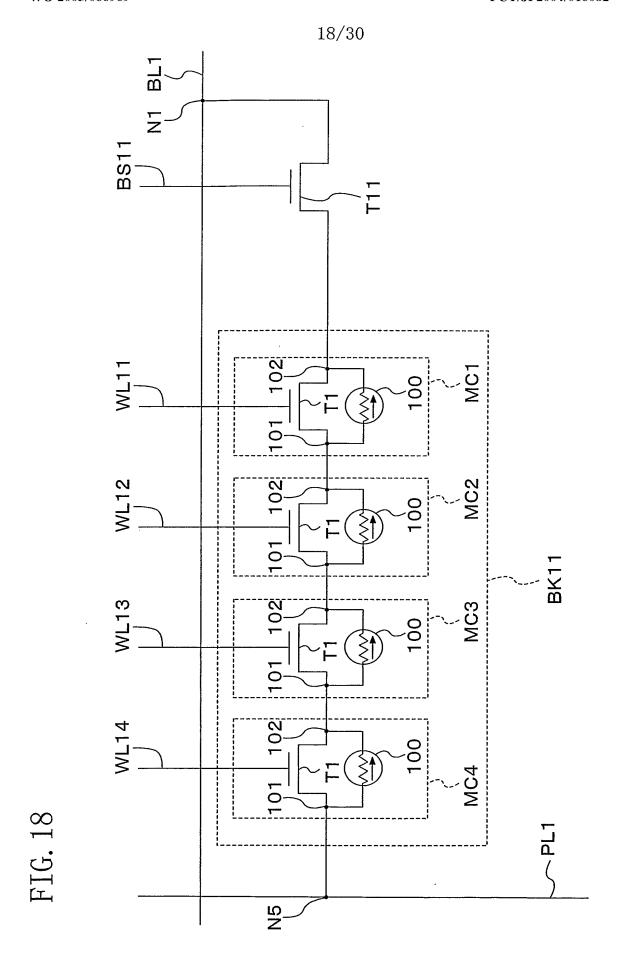
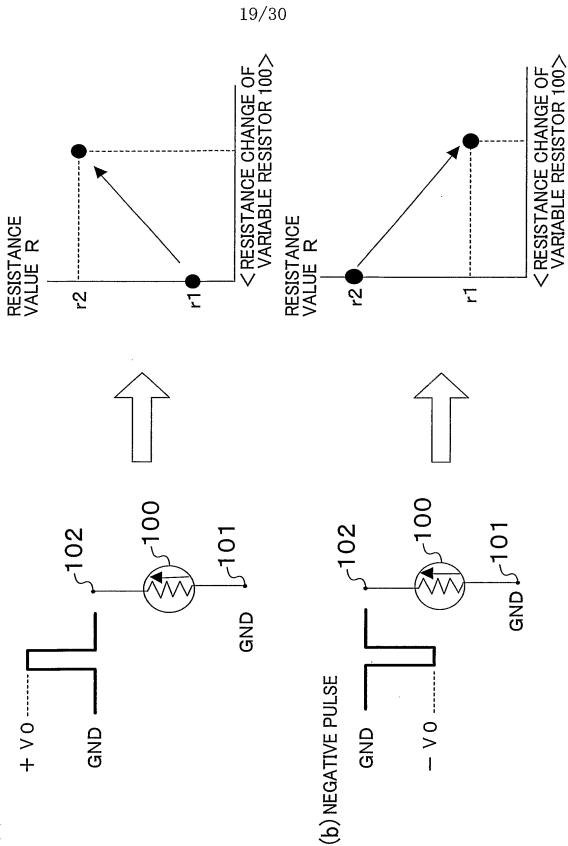


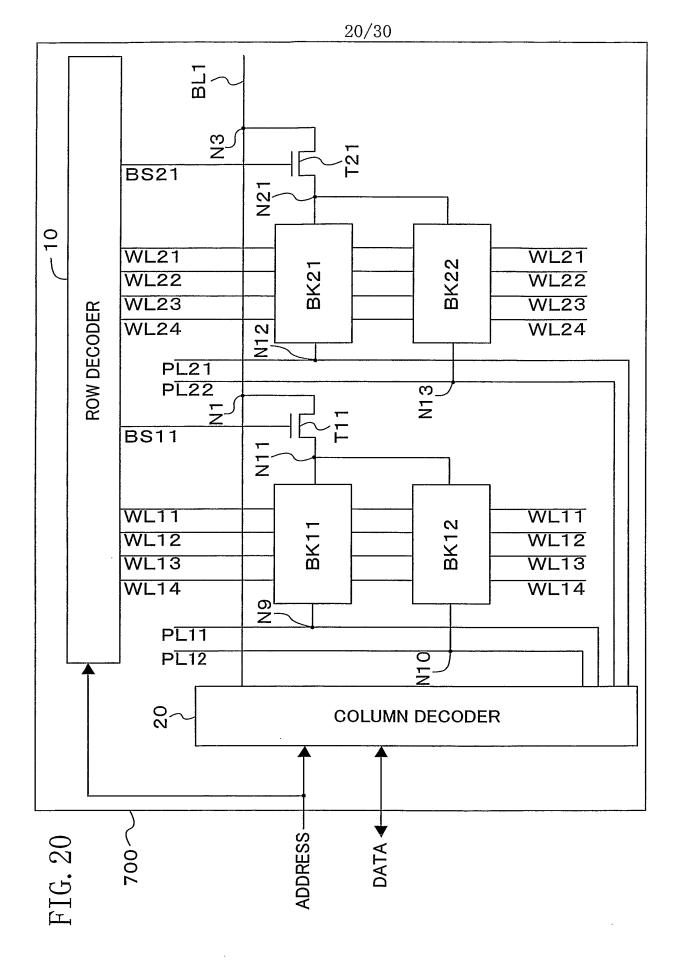
FIG. 16

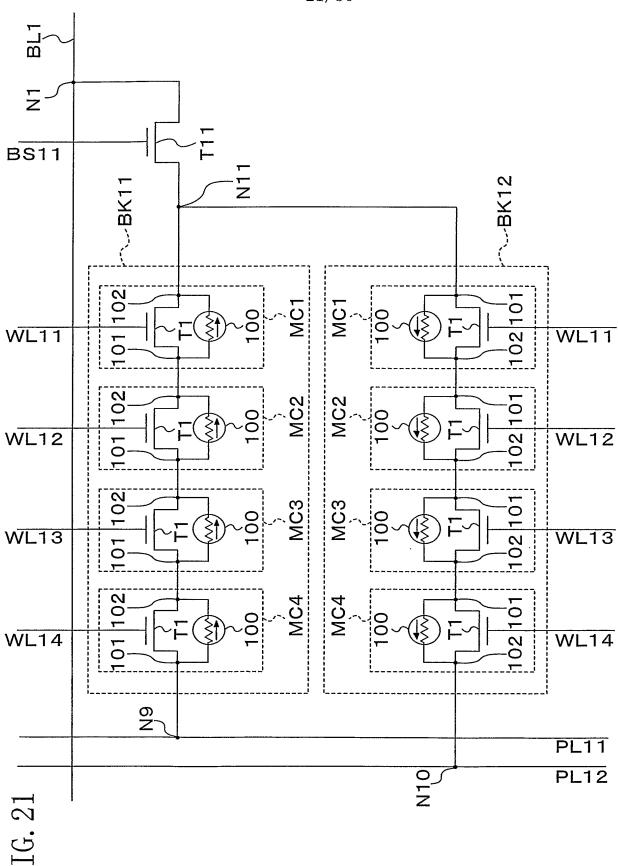




(a) POSITIVE PULSE FIG. 19







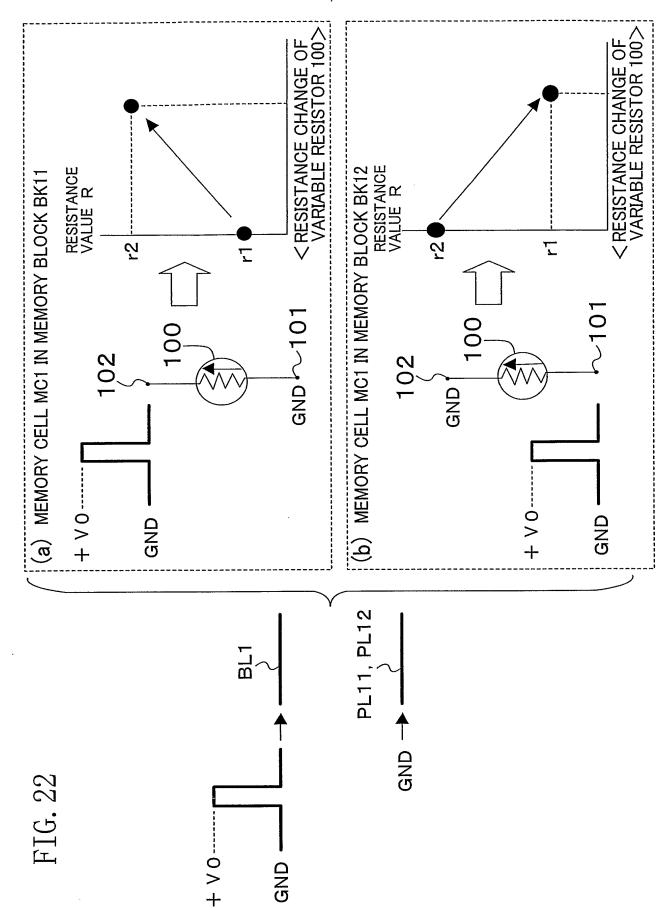
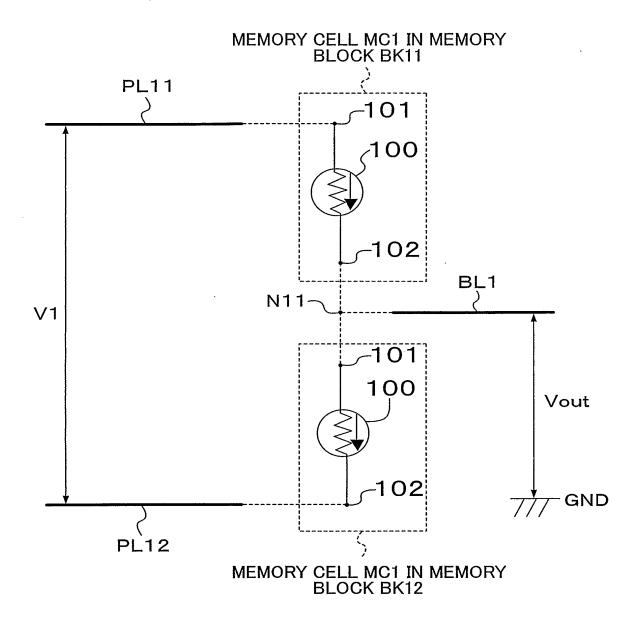
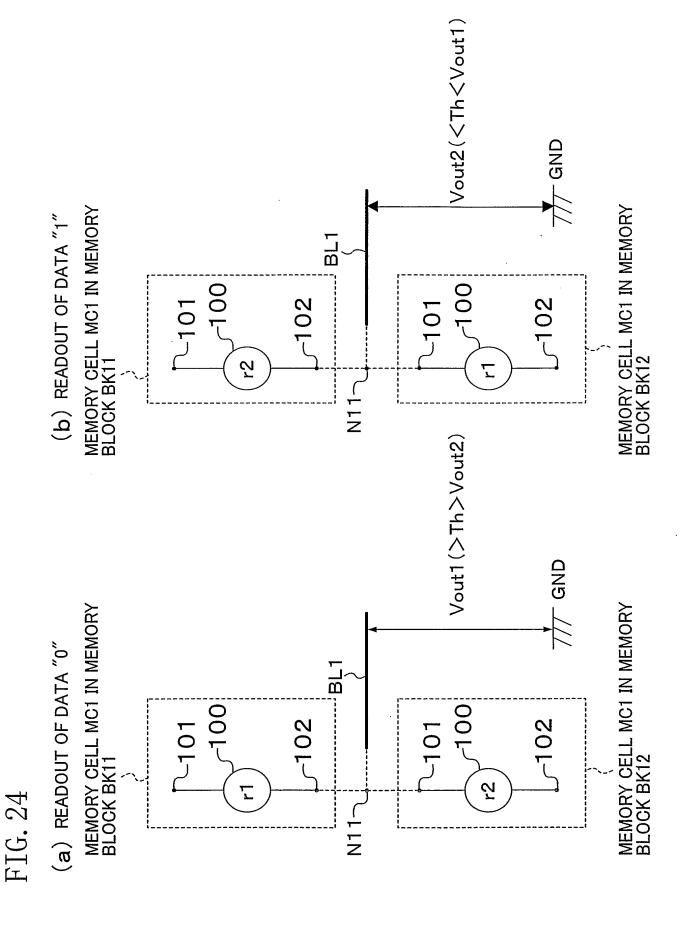
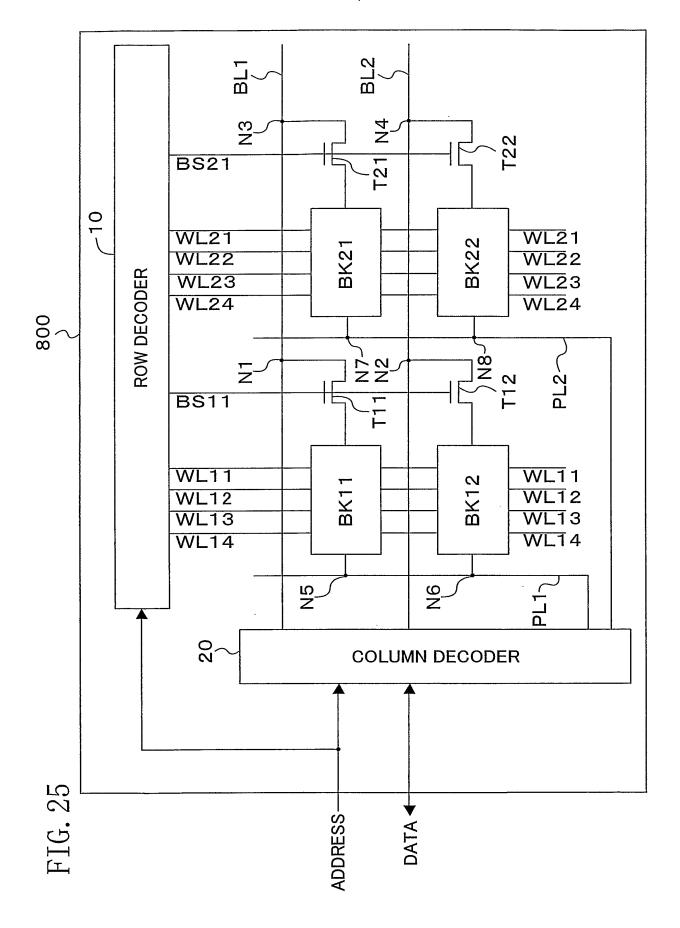


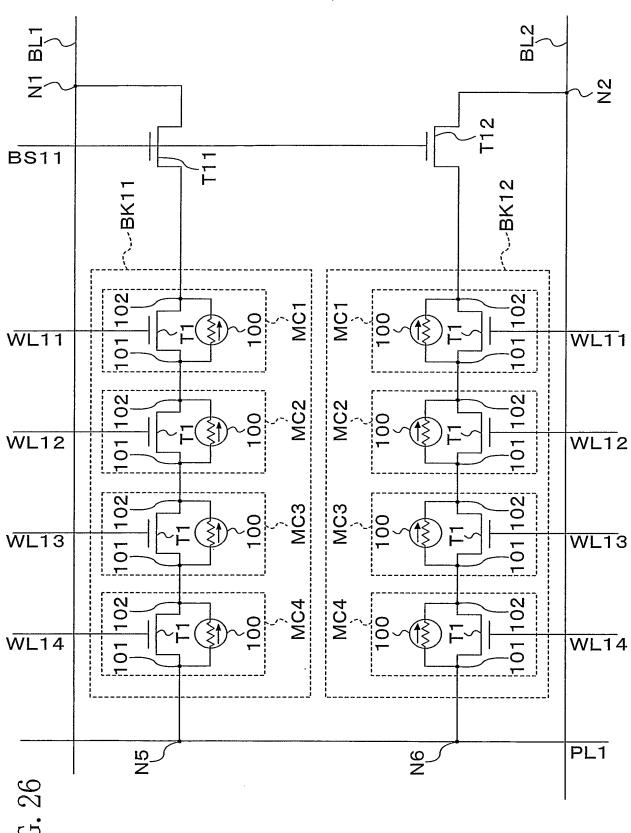
FIG. 23

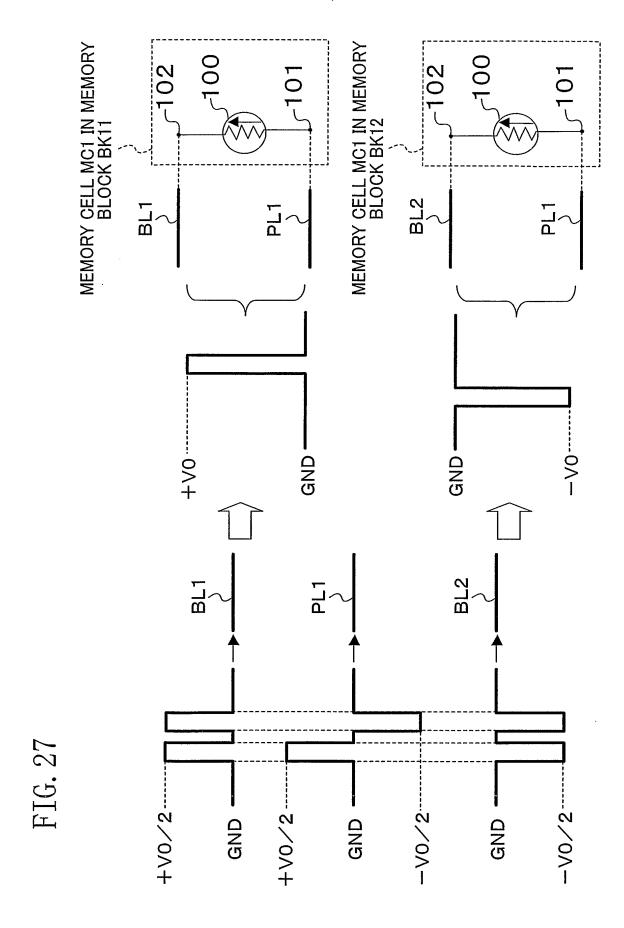


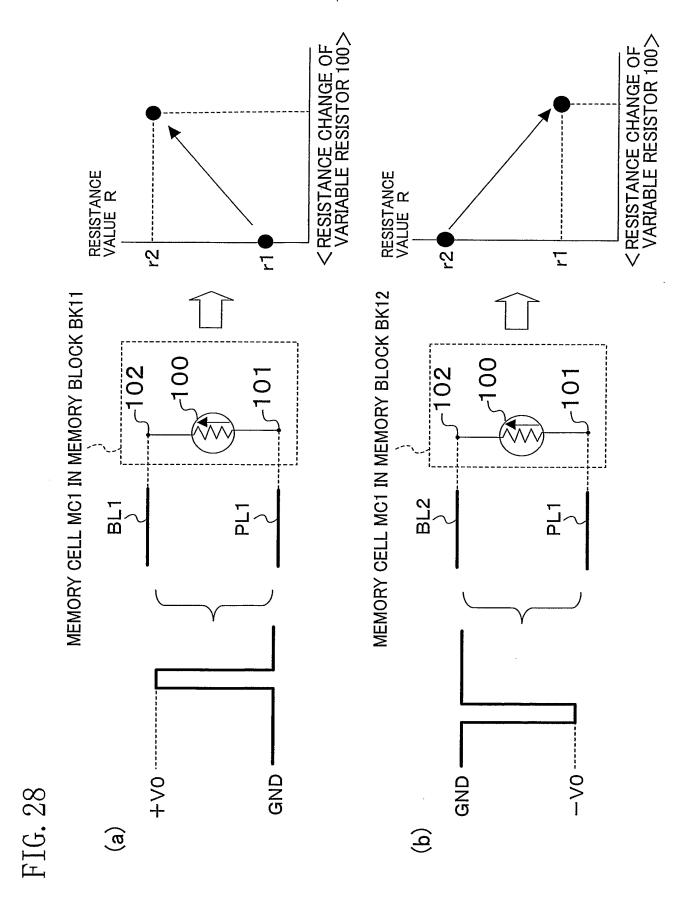












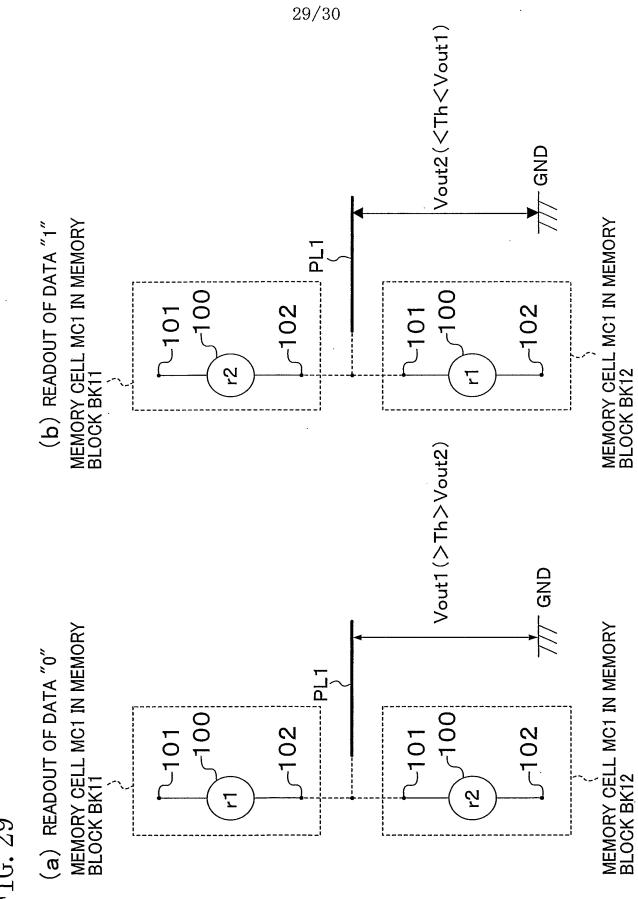


FIG. 29

